

REMARKS/ARGUMENTS

Claims 40, 42-60, 62-65, and 67-77 are pending. Independent Claims 40, 65, and 76 have been amended, and accordingly Claims 41, 61, and 66 have been canceled and certain dependent claims have been amended for consistency with the amended independent claims.

Claims 40, 41, 46, 52-55, 60-62, 67-67, and 73-76 were rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent Application Publication 2003/0041335 to Patry et al.

Claims 42 and 43 were rejected under 35 U.S.C. 103(a) as being unpatentable over Patry in view of WO 98/50861 to Perlman. Claims 44 and 45 were rejected as unpatentable over Patry and Perlman and further in view of U.S. Patent No. 6,930,598 to Weiss. Claims 47-51, 56, 64, 68-72, and 77 were rejected as unpatentable over Patry in view of WO 00/64180 to Del Sordo. Claims 57-59 and 63 were rejected as unpatentable over Patry in view of U.S. Patent Application Publication 2003/0217369 to Heredia.

Summary of Claim Amendments

Claims 40, 65, and 76 have been amended to recite a structure, process, and computer program product for a “hierarchical” capturing, processing, and storing of objects from a broadcast data stream in a television system. In this hierarchical process, each object in the captured data is subjected to a *parsing* step to ascertain the object identity and version, and when an object with the same object identity and version has not yet been stored in the local memory, the object is temporarily stored in a scratchpad area of the local memory. This is followed by steps of (1) *identifying*, for each object stored in the scratchpad area, which one(s) of the payload(s) contained in the object is(are) to be processed and stored in the storage area of the local memory; (2) *processing* each said identified payload and storing resulting data in the storage area, wherein said data stored in the storage area is for presenting interactive television services to the user; (3) determining, for each object stored in the scratchpad area, whether there is(are) any link(s) to any other required object(s) that is(are) not already stored in the local

memory, and if so, causing each said required object to be subjected to the parsing, identifying, and processing steps; and (4) removing from the scratchpad area each object for which the parsing, identifying, and processing steps have been completed. Support for these amendments is provided in the application as filed, such that no new matter has been added. See, for example, Figures 22-26 and their corresponding description in the specification at pages 22-26.

Response to Rejections

Applicant submits that in view of the above-described amendments to the independent claims, the rejections made in the Office Action have been overcome. None of the cited references teaches or suggests, individually or collectively, the claimed structure, process, and computer program product having the above-noted “hierarchical” capturing, processing, and storing of objects from a broadcast data stream, which results in stored data that is used for presenting interactive television services to the user. Patry discloses a system and process in which update data for a decoder is received and used for updating the decoder’s firmware. The process does not entail the claimed hierarchical process, nor is the data used for presenting interactive television services to the user.

Perlman relates to a process for automatic download of device drivers over a network. The process does not entail the claimed hierarchical process, nor is the data used for presenting interactive television services to the user.

Weiss discloses a home gateway server appliance. Weiss fails to teach anything that would have suggested the claimed system, process, and computer program product.

Del Sordo discloses the downloading of software or firmware for a set-top box (STB) during its initialization. The process does not entail the claimed hierarchical process, nor is the data used for presenting interactive television services to the user.

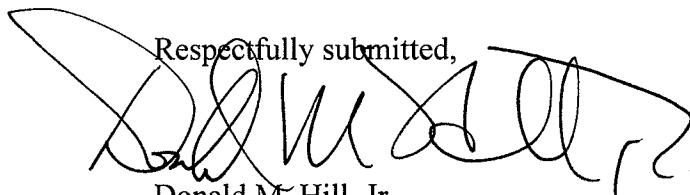
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Conclusion

Based on the above amendments and remarks, it is respectfully submitted that the rejections have been overcome and the application is in condition for allowance.

It is not believed that extensions of time or fees for net addition of claims are required, beyond those that may otherwise be provided for in documents accompanying this paper. However, in the event that additional extensions of time are necessary to allow consideration of this paper, such extensions are hereby petitioned under 37 CFR § 1.136(a), and any fee required therefor (including fees for net addition of claims) is hereby authorized to be charged to Deposit Account No. 16-0605.

Respectfully submitted,

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